Info-Hams Digest   Fri, 25 Jun 93   Volume 93 : Issue 780

Today's Topics:
          4 Weeks For License (Was: Re: 7.5 Weeks for license)
                        AEA CP-1 Software
               CTCSS Tones and RS-220-A EIA (2 msgs)
                   CT lookalike for FD (2 msgs)
            GFI Placement (was Making home Ham Friendly)
                 Grid Square/Coorinate Conversion
                  Ham Magazines Advice Wanted
           MOTOROLA - FM TX/RX CHIPS - 420KHz OPERATION?
              Phonetic Alphabet - let's get serious!
                   Radio Shack HT (2 msgs)
                    rec.radio email lists
                  Request help with IC4SAT
                     STS-57 Elements
                 STS-57 Element Set GSFC-015
                  The ITU phonetic alphabet
             TV vs Cable. Why Pay for a FREE Signal

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as738@cleveland.Freenet.Edu (Keith K. Mizokami) writes:

>Another data point. I took the test on April 29 and got my license
>(Tech No-code) on June 21. Now I need to get a radio.

My wife took her novice test on May 21st. She mailed her 610 on May 25th.
She received her license on June 21st.

Certainly demonstrates how efficient the VEC system is, huh?

MD

Date: Thu, 24 Jun 1993 00:40:38 GMT
From: pravda.sdsc.edu!news.cerf.net!usc!sdd.hp.com!col.hp.com!news.dtc.hp.com!
hpscit.sc.hp.com!hplextra!hpcc05!hpcc01!trapps@network.UCSD.EDU
Subject: AEA CP-1 Software
To: info-hams@ucsd.edu

Hi,
I have a CP-1 and wrote software for it on an old CPM system, I've seen ads
in QST for software that uses a multi-sampling technique to increase the
signal/noise ratio, but I think the software was for IBMs.

The tricky thing was making the computer generate wierd baud rates (60 WPM
is 45.x baud). If your computer's baud rate is changed by a large number
like 20100, 10050, 5025... then you can calculate the baud rate and you
are in luck. If the chip is "smarter" and uses 10 for 19200 baud, 9 for
9600 baud etc, you will have to add a seperate baud rate divider (like I
did) or just poll the UART status lines in software (much trickier).
The ARRL handbook had a good listing of BAUDOT and AMTOR codes for converting
to ASCII.

73,
Steve Trapp, N4DG

Date: Fri, 25 Jun 1993 13:48:35 GMT
From: usc!sdd.hp.com!col.hp.com!fc.hp.com!rogerm@network.UCSD.EDU
Subject: CTCSS Tones and RS-220-A EIA
To: info-hams@ucsd.edu

PL tones in Hz.
67.0 71.9 74.4 77.0 79.7 82.5 85.4 88.5 91.5 94.8
97.4 100.0   103.5   107.2   110.9   114.8   118.8
     123.0   127.3   131.8
136.5   141.3   146.2   151.4   156.7   162.2   167.9

```
   173.8     179.9     186.2
192.8     203.5     210.7     218.1     255.7     233.6     241.8
     250.3
```

                    Roger Mitchell
                    N0MCR

Date: 25 Jun 93 09:01:57 EST
From: titan.ksc.nasa.gov!k4dii.ksc.nasa.gov!user@ames.arpa
Subject: CTCSS Tones and RS-220-A EIA
To: info-hams@ucsd.edu

In article <C94ttx.373@undergrad.math.uwaterloo.ca>,
awpaeth@watcgl.uwaterloo.ca (Alan Wm Paeth) wrote:
> Can someone please provide a summary of the 39 "PL" tones defined by the EIA?

Alan-

Find a copy of the ARRL Repeater Directory. It has a list of CTCSS tones,
near the front of the book. It may not be "official", but it is generally
available.

73, Fred, K4DII

fred-mckenzie@ksc.nasa.gov

Date: Fri, 25 Jun 93 05:56:04 GMT
From: mentor.cc.purdue.edu!noose.ecn.purdue.edu!en.ecn.purdue.edu!n9ljx@purdue.edu
Subject: CT lookalike for FD
To: info-hams@ucsd.edu

There used to be a logging program for Fieldday that looked and worked like
CT. Does anybody remeber this and/or know where it can be found? I have
looked at wuarchive and oak.oakland with no luck. As you can guess, I am in
kinda of a hurry for it :).

--scott
--
Scott Stembaugh - N9LJX   internet: n9ljx@ecn.purdue.edu
Operations Supervisor, ADPC   phone: 317 494 7946
Purdue University
West Lafayette, IN 47907-1061

Date: 25 Jun 93 11:45:30 GMT
From: att-out!cbnewsj!k2ph@RUTGERS.EDU
Subject: CT lookalike for FD
To: info-hams@ucsd.edu

Date: Fri, 25 Jun 1993 17:21:21 GMT
From: news.service.uci.edu!ucivax!news.claremont.edu!jarthur.claremont.edu!
aross@network.UCSD.EDU
Subject: GFI Placement (was Making home Ham Friendly)
To: info-hams@ucsd.edu

Personal experience this time, not an "old wives' tale":

Moving the GFI to the breaker box seems to have done little good in our house.
This puts everything in the bathroom on the GFI, including the lights. So
when I'm taking a shower at night, and my dad keys down . . . . And what's
worse, you then have to go all the way outside to the box to reset it, instead
of just punching a button in the bathroom. This also happens to the
garbage disposal, but that's not quite as much of a nuisance.

                         Andrew M. Ross
                         KC6OHS

Date: 25 Jun 93 07:28:00 GMT
From: news-mail-gateway@ucsd.edu
Subject: Grid Square/Coorinate Conversion
To: info-hams@ucsd.edu

When I ran it through the copy of uudecode I have it didn't produce a
working file.

Just for the record: the relevant part of the message was written to a file
on a VAX with VMS. The file ?;;as then sent to the PC with Zmodem.
The received file didn't seem to have both CR & LF (TYPE didn't have neat
lines) which I corrected. Both ways produced an unworkable .COM file.
The two .COMs gave different types of gibberish5 when run but neither
crashed the system. The second one (CRLF) did produce some nonsense text
along with the gibberish.

BTW: my uudecode.exe was compiled by Turbo C from source I got via anon FTP.

Mike Ley, N9GQU

Date: 25 Jun 93 08:38:08 GMT
From: news-mail-gateway@ucsd.edu
Subject: Ham Magazines Advice Wanted
To: info-hams@ucsd.edu

I'm looking for the address and, if possible, the fax number of
HAMRADIO magazine.

Basically, what I'm looking for is a periodic pubblication with fairly high
technical contents with also minor entries for other stuff like contesting
dxing etc. and would appreciate any comment about the above one plus
any suggestion other magazine especially 73.
I'm currently subscribed to QST and CQ but neither fully satisfies my whishes
regarding tech articles. I also had a chance to take a look to QEX but it
misses non-technical sections plus it's quite expensive for non-us subscribers.

Any suggestion is very welcome....

73, Marco

Marco Fassiotto - IX1IIY |
Software Engineer |
P.O. Box 19 | Packet   : ix1iiy@ik1brm.iv.to.ita.eu
10018 Pavone (TO) - ITALY | INTERNET : fax@sparc4.ico.olivetti.com
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Date: 25 Jun 1993 06:53:01 -0600
From: orca!cnn.sim.es.com!ds9.sim.es.com!not-for-mail@uunet.uu.net
Subject: MOTOROLA - FM TX/RX CHIPS - 420KHz OPERATION?
To: info-hams@ucsd.edu

I have the little demo board for the MC2833 FM tx chip, and they discuss
running it at 2M and 6M. But they don't give any design details on how
they derived the component values for these ranges.

I would like to know if they can run as low as 420 KHz - anyone at Motorola
listening? I need some contacts there so I can determine the fesability of
this project.

Please email to : hcooper@javelin.sim.es.com

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| Harrison Cooper                    | email : hcooper@javelin.sim.es.com |
| SP Hardware Design                 | Phone : 801-582-5847 ext 3275      |
| Evans & Sutherland Computer Corp.  | Radio : N7KST  147.04 R, 145.49 R  |
| Salt Lake City, Utah  84158        |         Davis County ARES 147.42 S |
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Date: Fri, 25 Jun 1993 13:12:21 CET
From: europa.eng.gtefsd.com!howland.reston.ans.net!sol.ctr.columbia.edu!xlink.net!
gmd.de!dearn!esoc!wkoehler@uunet.uu.net
Subject: Phonetic Alphabet - let's get serious!
To: info-hams@ucsd.edu

In article <01GZR9IKE2RM8WWBYZ@IRIS.UNCG.EDU>, MOSIER@steffi.uncg.EDU (Steve
Mosier) says:
>
>C'mon folks -- some of your phonetics aren't even in my
>dictionary. How am I even going to look 'em up?
>
>Here's the phonetics I use when crashing a DX pileup:
>
OK, Steve, basically I agree but allow me a couple of changes,
just to simplifiy the matter because yours is much too complicated
and longish. Figures should be avoided although I must admit that
I was tempted to use them myself.

```
Your spelling alphabet        Mine
----------------------        ----
A as in aye                   am
B as in bwana                 burp
C as in czarina               czar
D as in djellaba              due
E as in eunuch                eye
F as in fjeld                 flue
G as in gnostic               gnu
H as in hombre                hue
I as in iguana                ice
J as in junta                 jaw
K as in know                  know
L as in lwei                  lei
M as in mnemonic              mnemonic       (whoever came up with this one
N as in ngultrum              nay             first really deserves a prize)
O as in Oedipus               oink
P as in pnuemonia             pseudo         (a bit undecided whether to
Q as in qoph                  quay            prefer this or your pneumonia,
R as in rawinsonde            rex             but pseude is much shorter)
S as in syzygy                sex
T as in tsar                  tar
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U as in uitlander              urn
V as in voix dire              vice
W as in wring                  why
X as in xylophone              christmas
Y as in you                    you
Z as in zero                   zoo


dueleithreezooburpjaw, amburpsixeyelei, viceknowsixburpgnuvice.


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Date: Fri, 25 Jun 1993 14:17:16 GMT
From: yuma!galen@purdue.edu
Subject: Radio Shack HT
To: info-hams@ucsd.edu


[Stuff about 2m vs. 2m/70cm HT's deleted]


If you have any 70cm repeaters in the area, spend the extra money
and get the dual band rig.  I would much rather own a DJ-580 over
a RS HT.  The Alinco is modifiable, where the RS really isn't.


Galen Watts, KF0YJ


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Date: Fri, 25 Jun 1993 13:57:18 GMT
From: usc!math.ohio-state.edu!darwin.sura.net!rsg1.er.usgs.gov!
resdgs1.er.usgs.gov!tbodoh@network.UCSD.EDU
Subject: Radio Shack HT
To: info-hams@ucsd.edu


In article <1993Jun24.203224.11448@cbis.ece.drexel.edu>, jpw@cbis.ece.drexel.edu
(Joseph P. Wetstein) writes:
|>
|> I am seriously thinking of buying the radio shack 2m HT. Does anyone
|> have any last minute advice/warnings?
|>
|> Is it worthwhile to spend 2x for a dual bander such as Alinco 580?
|>
|> Thanks,
|> Joe, KA3VJY
|>
|> --
|>  Joseph Wetstein     KA3VJY          PPL-SEL


--
I bought the DJ-580T as my first rig and am really pleased with it.  I hear
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so many hams switching back and forth to 440 that I'm glad I've got it. It
also makes a dandy scanner (except for the 2 Ch/sec scan/search rate). It
has expanded coverage of 110-174, 400-470 and 850-998 after snipping the red
wire under the base plate - takes about 2 minutes. Note that Alinco apparently
made a recent (two months ago) production mod to the 580 which reduces
intermod - I've had no problems in high RF areas with mine, even with the
ANLI duck.

I can also reccommend the ANLI 800 dual band antenna. With the thin duck
attachment it raised a signal 4 S-units, with the whip collapsed it raised it
6 S-units and with the whip extended (to 30.5") it raised it 7 S-units (over
the Alinco duck). It looks sharp too!

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++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
+ Tom Bodoh - Sr. systems software engineer,  N0X?? (in the mail)          +
+ USGS/EROS Data Center, Sioux Falls, SD, USA  57198      (605) 594-6830       +
+ Internet; bodoh@dgg.cr.usgs.gov (152.61.192.66)
           +
+     "Welcome back my friends to the show that never ends!" EL&P
           +
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Date: 25 Jun 93 15:29:14 GMT
From: news-mail-gateway@ucsd.edu
Subject: rec.radio email lists
To: info-hams@ucsd.edu

Some of us are not fortunate enough to receive the various rec.radio
groups directly, but instead must receive them via email. For example,
I get this group (rec.radio.amateur.misc, I think) from info-hams@ucsd.edu.
Can someone who *knows* the corresponding email list information for the
rec.radio groups post it here for the email crowd to see. I have one
such list, but I suspect it was changed after the reorganization of
rec.radio...

73 de Scott WO1G
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Scott Sminkey
Software Sustaining Engineering
Xyplex, Inc.
295 Foster St.
Littleton, MA 01460
voice: 508 952-4792
fax: 508 952-4702
email: sasminkey@eng.xyplex.com
(Opinions, comments, etc. are mine, not Xyplex's...)

Date: Fri, 25 Jun 1993 12:24:58 GMT
From: news.service.uci.edu!unogate!mvb.saic.com!kevin@network.UCSD.EDU
Subject: Request help with IC4SAT
To: info-hams@ucsd.edu

This is my second post. I am requesting information as to whether it
is possible to make my IC4SAT receive out of band, and if so, how to
do it. I've heard that it can be done by removing a diode, and have
also been told to just hold certain keys down during power-up. The
keys didn't do it, and I don't know which diode to take out.

Someone also said that the serial number on this rig might be too low
(around 1400) for extended receive, but they weren't sure.

Anyone with suggestions, please help.

Date: 25 Jun 93 14:46:10 GMT
From: news-mail-gateway@ucsd.edu
Subject: STS-57 Elements
To: info-hams@ucsd.edu

I concur with Wm. Kirsanoff - posting the orbital data elements
for STS shuttles in INFO-HAMS should continue.

Date: 25 Jun 93 15:46:26 GMT
From: news-mail-gateway@ucsd.edu
Subject: STS-57 Element Set GSFC-015
To: info-hams@ucsd.edu

SB SAREX @ AMSAT $STS-57.010
STS-57 Element Set GSFC-015

The following element set was generated by Ron Parise, WA4SIR at the
Goddard Space Flight Center. The equator crossings for this set are
approximately 3.5 minutes earlier than GSFC-014 and reflects the change in
the orbit state vector due to the orbiter burn performed a few hours
ago.

 STS-57
 1 22684U 93 37 A 93176.36593926 0.00002546 00000-0 47167-4 0   158
 2 22684 28.4576 287.1314 0060209 36.9450 323.5276 15.44167391   601

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   Satellite: STS-57
   Catalog number: 22684
   Epoch time:      93176.36593926          (25 JUN 93   08:46:57.15 UTC)
   Element set:     GSFC-015
   Inclination:       28.4576 deg
   RA of node:       287.1314 deg           Space Shuttle Flight STS-57
   Eccentricity:    0.0060209                   Keplerian Elements
   Arg of perigee:    36.9450 deg
   Mean anomaly:     323.5276 deg
   Mean motion:   15.44167391 rev/day       Semi-major Axis: 6811.9577 Km
   Decay rate:        0.25E-04 rev/day*2     Apogee  Alt:       474.58 Km
   Epoch rev:              60               Perigee Alt:       392.56 Km


  NOTE - This element set is based on NORAD element set # 015.
         The spacecraft has been propagated to the next ascending
         node, and the orbit number has been adjusted to bring it
         into agreement with the NASA numbering convention.

Submitted by Frank H. Bauer, KA3HDO for the SAREX Working Group


/EX

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Date: 22 Jun 93 19:51:55 GMT
From: bobsbox.rent.com!s4mjs!kc2wz!bob@RUTGERS.EDU
Subject: The ITU phonetic alphabet
To: info-hams@ucsd.edu

In <jfhC8F7qn.G9H@netcom.com>, jfh@netcom.com (Jack F. Hamilton) says:
>tbodoh@resdgs1.er.usgs.gov (Tom Bodoh) wrote:
>
>>I frequently have to use phonetics when asking for tapes to be sent up from
>>our tape library - and I like to use 'psuedo' for 'p'.  That usually
>>confuses the hell out of them - but I always get the right tape.
>
>"I'd like tape PKM, please - that's Pseudo Knowledge Mnemonic."

"Name is 'Bob'...Bobo Oboe Bobo"  :-)
--
  Bob Billson, KC2WZ                       | internet: bob@kc2wz.bubble.org
  $nail:  21 Bates Way,  Westfield, NJ 07090 | uucp:      ...!uunet!kc2wz!bob

              "Friends don't let friends run DOS" -- Microware

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Date: 25 Jun 1993 16:18:28 GMT
From: swrinde!gatech!howland.reston.ans.net!sol.ctr.columbia.edu!
usenet.ucs.indiana.edu!master.cs.rose-hulman.edu!master.cs.rose-hulman.edu!
news@network.UCSD.EDU
Subject: TV vs Cable. Why Pay for a FREE Signal
To: info-hams@ucsd.edu

In article <20epou$7eq@gopher.cs.uofs.edu> bill@cs.uofs.edu (Bill
Gunshannon) writes:
> Everybody here seems to be forgeting one major point in this discussion.
> The cable companies are not carrying the local broadcast stations
because
>

The tie-in with ham radio is very interesting!

Jack

Date: (null)
From: (null)
You're almost right next door to WR9R, who wrote a CT lookalike
for Field Day only. He's up to version 3.01 now. Program costs
$10. Version 3.0 is on the ARRL BBS 203-666-0578, but I forget
the filename. By the way, it's not a complete lookalike, but
it's close. Being a much smaller program, for one contest only,
it seems to run considerably faster than CT.

In any case, WR9R is:

Larry O'Cull
4002 W. 146th Street
Westfield, IN 46074

Your mileage may vary.

73,
Bob K2PH

--

Bob Schreibmaier K2PH | UUCP: ...!att!mtdcr!bob
AT&T Bell Laboratories | Internet: bob@mtdcr.att.com
Middletown, N.J. 07748 | ICBM: 40o21'N, 74o8'W

Everybody here seems to be forgeting one major point in this discussion.
The cable companies are not carrying the local broadcast stations because
they add value to the cable service, they carry them because the FCC told
them they had to. Most would prefer not to and I personally would prefer
that they used those 5 channels to offer me something of more value (like
even the SF Channel.) If I want to watch one of the local channels (highly
unlikely as they have absolutely nothing to offer) I can pick them up with
anything for an antenna, even a bent coat-hanger. Thre of the five trans-
mitters are line of site to my house.
In places where the broadcast station does not have this kind of coverage,
then the cable company is offering the broadcaster a service and shouldn't
need to pay for it. In areas like mine, why bother carrying it at all??

Don't get me wrong, I don't think cable companies are angels either, but they
are not outthere deliberately trying to shaft the broadcasters. TV is a very
competitive business. And if the broadcasters are to survive, they are going
to need to do something to make their channels worth watching. Re-runs of
"Cheers" and "Married - with chidren" aren't going to do it.

Of course, if you watch the blurbs on the cable, you know that they are going
thru the same thing themselves. They see companies like AT&T and MCI getting
into what they think of as their business and are running scared. They use
scare tactics ("If you let this happen, all the newspapers will go out of
business and all those local jobs will be lost!!") to try and get the public to
force the government to prevent any new competition. Thw truth is they had a
closed market that was crying for new services (like data) years ago. (Anybody
here remember the test of the modems over the cable in Colorado a few years ago??)
BUt the cable companies weren't intersted. Now the public wants it, the cable
companies can't offer it. Other companies can. And the cable companies are
running scared.
And this puts the broadcasters even lower on the totem-pole.

With the quality and level of service and the increase in places that won't
allow antennas (even for TV) it is beginning to look like the broadcast TV
era is winding down.

bill   KB3YV

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Bill Gunshannon          | "There are no evil thoughts, Mr. Rearden" Francisco
bill@cs.uofs.edu         |  said softly, "except one; the refusal to think."
University of Scranton   |
Scranton, Pennsylvania   |         #include <std.disclaimer.h>


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End of Info-Hams Digest V93 #780
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